



DATE: 2 July, 2020

PCN #: 2466

PCN Title: Package Change and Additional Qualified Plating Source

Dear Customer:

This is an announcement of change(s) to products that are currently being offered by Diodes Incorporated.

We request that you acknowledge receipt of this notification within 30 days of the date of this PCN. If you require samples for evaluation purposes, please make a request within 30 days as well. Otherwise, samples may not be built prior to this change. Please refer to the implementation date of this change as it is stated in the attached PCN form. Please contact your local Diodes sales representative to acknowledge receipt of this PCN and for any sample requests.

The changes announced in this PCN will not be implemented earlier than 90 days from the notification date stated in the attached PCN form.

Previously agreed upon customer specific change process requirements or device specific requirements will be addressed separately.

For questions or clarification regarding this PCN, please contact your local Diodes sales representative.

Sincerely,

Diodes Incorporated PCN Team



PRODUCT CHANGE NOTICE

PCN-2466 REV 1

| Notification Date: | Implementation Date: | Product Family: | Change Type: | PCN #: |
|---|---|-----------------------|--|-------------|
| 2 July, 2020 | 2 October, 2020 | Analog Semiconductors | Package Change and Additional Qualified Plating Source | 2466 |
| TITLE | | | | |
| Package Change and Additional Qualified Plating Source | | | | |
| DESCRIPTION OF CHANGE | | | | |
| <p>This PCN is being issued to notify customers that in order to assure continuity of supply, Diodes is making a packaging change in its NX71 CXO family of crystal oscillator products from a 6 pad to a 4 pad package. Please see Table 1A for drawing details. Diodes also qualified an additional plating source in Greatek Electronics Inc. (GTK) facility located in Zhunan Taiwan. Full electrical characterization and high reliability testing has been completed to ensure there is no change to device functionality or electrical specifications in the datasheet. Refer to the attached Qualification / Reliability Reports (embedded in this report).</p> | | | | |
| IMPACT | | | | |
| Continuity of Supply. No change in data sheet electrical parameters and product performance. | | | | |
| PRODUCTS AFFECTED | | | | |
| <p>Table 1 - NX71 CXO family package change from 6 pad to 4 pad Table 1A – Package Drawing of Current vs. New package changes Table 2 – Additional Plating Source – (GTK) plating process for LQFP / TQFP / QFP / SSOP / SOP</p> | | | | |
| WEB LINKS | | | | |
| Manufacturer’s Notice: | https://www.diodes.com/quality/product-change-notices/diodes-product-change-notices/ | | | |
| For More Information Contact: | http://www.diodes.com/contacts | | | |
| Data Sheet: | http://www.diodes.com/products | | | |
| DISCLAIMER | | | | |
| <p>Unless a Diodes Incorporated Sales representative is contacted in writing within 30 days of the posting of this notice, all changes described in this announcement are considered approved.</p> | | | | |

Table 1 - NX71 CXO family package change from 6 pad to 4 pad

| | | | | | |
|--------------------|------------|------------|------------|------------|--|
| NX7011A0100.000000 | NX71225002 | NX71590001 | NX71733001 | NX71A40001 | |
| NX7011D0074.175824 | NX71237001 | NX71600001 | NX71741001 | NX71C50001 | |
| NX7011D0074.250000 | NX71250002 | NX71633001 | NX71742001 | NX71C50003 | |
| NX7011E0051.609600 | NX7125003Z | NX71700001 | NX71915001 | NX71E83001 | |
| NX7011E0059.000000 | NX71262001 | NX71706001 | NX71A00001 | NX71E83002 | |

Table 2 – Additional Plating Source – (GTK) plating process for LQFP / TQFP / QFP / SSOP / SOP

| | | | | | |
|---------------------|----------------------|-------------------|---------------------|-------------------------|-----------------------|
| PI2EQX3211BHE-2017 | PI3HDMI2410FFEX-2017 | PI5C3251QE | PI6C2405A-1WE | PI6CXG06F62AFBEIEX | PI7C9X2G404SLBFDEX |
| PI2EQX3211BHEX-2017 | PI3HDMI301FFE | PI5C3251QEX | PI6C2405A-1WEX | PI6CXG06F62BFBEIE | PI7C9X2G404SLBQFDE |
| PI3B3125QEX | PI3HDMI301FFE-2017 | PI5C3251QEX-1507 | PI6C2409-1HWE | PI6CXG06F62BFBEIEX | PI7C9X2G404SLBQFDEX |
| PI3B3126QE-2017 | PI3HDMI301FFEX | PI5C3253QE | PI6C2409-1HWEX | PI7C8140AMAE | PI7C9X2G404SVAFDEEX |
| PI3B3126QEX | PI3HDMI301FFEX-2017 | PI5C3253QEX | PI6C4853111FAE | PI7C8140AMAE-2017 | PI7C9X440SLBFDE |
| PI3B3126QEX-2017 | PI3HDMI336FBE | PI5C3257QE | PI6C4853111FAEX | PI7C8150AMAE | PI7C9X440SLBFDE-2017 |
| PI3B3245QEX-2017 | PI3HDMI336FBEX | PI5C3257QE-2017 | PI6C485311WE | PI7C8150AMAE-33 | PI7C9X440SLBFDEX |
| PI3B3251QE | PI3HDMI521FBE | PI5C3257QEX | PI6C485311WEX | PI7C8150BMAE | PI7C9X440SLBFDEX-2017 |
| PI3B3251QEX | PI3HDMI521FBEX | PI5C3384QE | PI6C485352FAE | PI7C8150BMAE-2017 | PI7C9X440SLBFDEX-36 |
| PI3B3251QEX-2017 | PI3HDX414FCEE | PI5C3384QE-1507 | PI6C485352FAE-2017 | PI7C8150BMAIE | PI7C9X442SLBFDE |
| PI3B3253QE-2017 | PI3HDX414FCEEX | PI5C3384QE-2017 | PI6C485352FAEX | PI7C8952FAE | PI7C9X442SLBFDEX |
| PI3B3253QEX | PI3HDX621FBE | PI5C3384QEX | PI6C485352FAEX-2017 | PI7C8952FAE | PI7C9X752FAE |
| PI3B3253QEX-2017 | PI3HDX621FBEX | PI5C3384QEX-1507 | PI6C4911510-05FAIE | PI7C9X111SLBFDE | PI7C9X752FAEX |
| PI3B3257QE | PI3L100QEX | PI5C3384QEX-2017 | PI6C4911510-05FAIEX | PI7C9X111SLBFDE-2017 | PI7C9X754FCE |
| PI3B3257QE-2017 | PI3L110QE | PI5C3861QE | PI6C4911510FAEIE | PI7C9X111SLBFDEX | PI7C9X754FCEX |
| PI3B3257QEX | PI3L110QE-2017 | PI5C3861QE-2017 | PI6C4911510FAEIE | PI7C9X111SLBFDEX-2017 | PI7C9X754FFE |
| PI3B3257QEX-2017 | PI3L110QEX | PI5C3861QEX | PI6C4911510FAIE | PI7C9X112SLFDE | PI7C9X754FFEX |
| PI3B3257WEX-2017 | PI3V312QE-2017 | PI5C3861QEX-2017 | PI6C4911510FAIEX | PI7C9X112SLFDEX | PI7C9X754ME |
| PI3B3861QE | PI3V312QEX | PI5L200WE | PI6C49CB02Q2WEX | PI7C9X113SLFDE | PI7C9X794FCE |
| PI3B3861QEX | PI3V312QEX-2017 | PI5L200WEX | PI6C49CB02Q3WEX | PI7C9X113SLFDE-2017 | PI7C9X794FCEX |
| PI3C3125WEX | PI3V512QE-2017 | PI5V330QE | PI6C49CB04AQ2WEX | PI7C9X113SLFDEX | PI7C9X7952BFDE |
| PI3C3126QE | PI3V512QEX | PI5V330QEX | PI6C49S1506FAIE | PI7C9X113SLFDEX-2017 | PI7C9X7952BFDE-MOXA |
| PI3C3126QEX | PI3V512QEX-2017 | PI5V330SQE-2017 | PI6C49S1506FAIEX | PI7C9X118SLFDE | PI7C9X7952BFDE-MOXAX |
| PI3C3245QE | PI3VT3245-AQE | PI5V330SQEX | PI6C49X0201WIE | PI7C9X118SLFDEX | PI7C9X7952BFDEX |
| PI3C3245QEX | PI3VT3245-AQEX | PI5V330SWE | PI6C49X0201WIE | PI7C9X119SLFDE | PI7C9X7952BFDEX-55 |
| PI3C3384QE | PI49FCT20807HE | PI5V330SWEX | PI6C49X0202WIE | PI7C9X119SLFDEX | PI7C9X7954BFDE |
| PI3C3384QEX | PI49FCT20807HEX | PI5V331QE | PI6C49X0202WIE | PI7C9X20303SLCFDE | PI7C9X7954BFDE-MOXA |
| PI3C3861-AQEX | PI49FCT3807BQE-1507 | PI5V331QEX | PI6C49X0204AWIE | PI7C9X20303SLCFDE-2017 | PI7C9X7954BFDE-MOXAX |
| PI3CH281QE | PI4MSD5V9543AWEX | PI6C10804WE | PI6C49X0204AWIEX | PI7C9X20303SLCFDEX | PI7C9X7954BFDEX |
| PI3CH281QE-2017 | PI5A100QE-1429 | PI6C10804WEX | PI6C49X0204B-AWE | PI7C9X20303SLCFDEX-2017 | PI7C9X798ME |
| PI3CH281QEX | PI5A100QEX | PI6C10810HE | PI6C49X0204B-AWEX | PI7C9X20404SLCFDE | PI7VD9008ABHFDE |
| PI3CH281QEX-2017 | PI5A100WE | PI6C10810HE-2017 | PI6C49X0204BWIEX | PI7C9X20404SLCFDEX | PI7VD9008ABHFDEX |
| PI3CH480QEX | PI5A100WEX | PI6C10810HEX | PI6C49X0204CWIEX | PI7C9X2G304SLBFDE | PI7VD9401FDE |
| PI3CH800QEX | PI5A392AQEX | PI6C10810HEX-2017 | PI6C49X0204CWIEX | PI7C9X2G304SLBFDEX | PI7VD9401FDEX |
| PI3CH800QEX-2017 | PI5C3125QE | PI6C2405A-1HWE | PI6C5912016-01FAIEX | PI7C9X2G304SLBQFDE | PI7VD9401FDIE |
| PI3HDMI2410FFE | PI5C3125QEX | PI6C2405A-1HWEX | PI6CL10804WE | PI7C9X2G304SLBQFDEX | PI7VD9401FDIEX |
| PI3HDMI2410FFE-2017 | PI5C3126QEX | PI6C2405A-1HWIE | PI6CL10804WEX | PI7C9X2G304SVAFDEEX | PT7C4337ACSEX |
| PI3HDMI2410FFEX | PI5C3245QEX | PI6C2405A-1HWIEX | PI6CXG06F62AFBEIE | PI7C9X2G404SLBFDE | PT8A2767FWEX |

Table: 1A

Original 6 Pad

New 4 Pad

